

MINER ν A OPERATIONS REPORT

César Castromonte

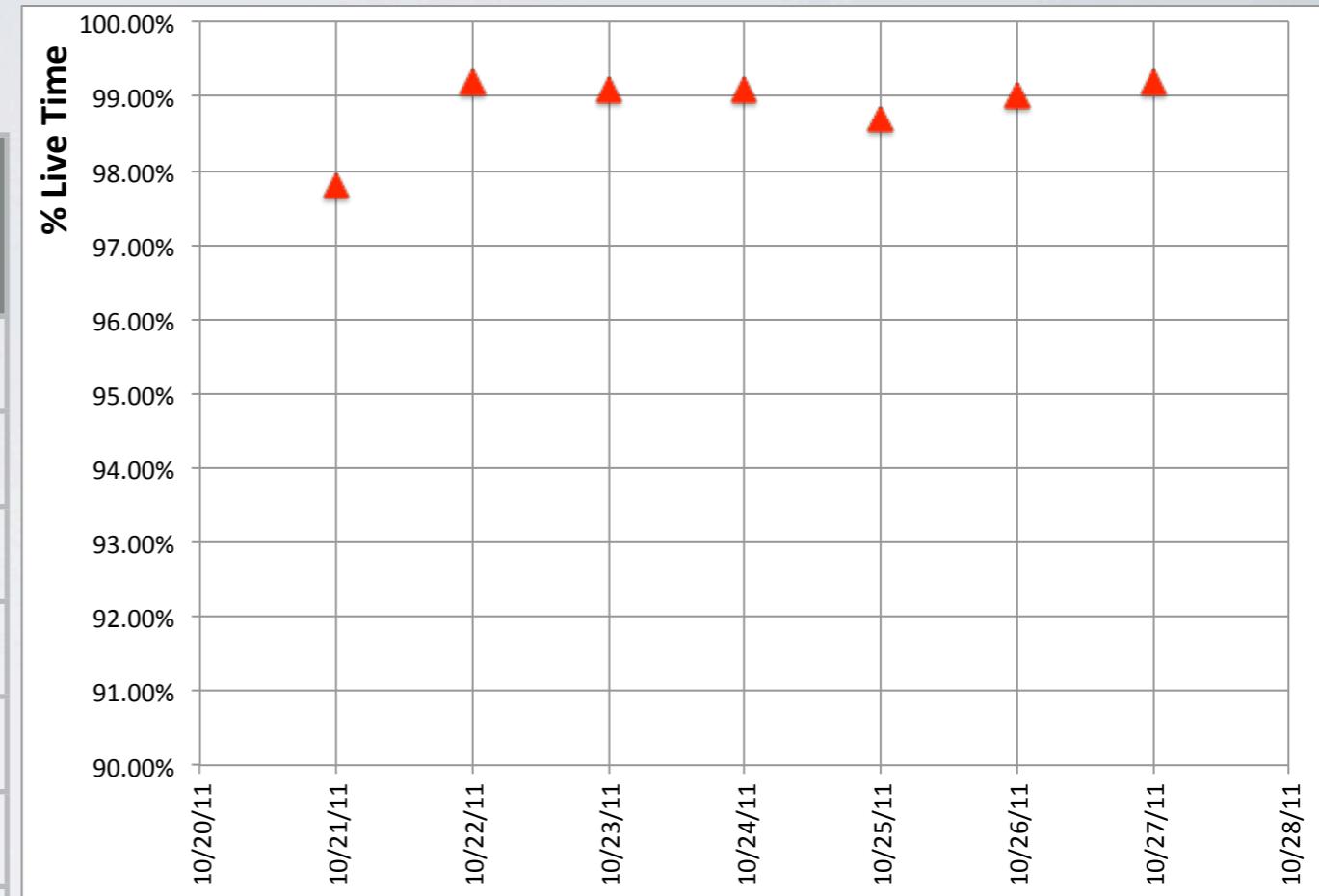
All Experimenters Meeting, Oct. 31, 2011



ν Data

% Live time Oct. 21 - Oct. 27

Date	NuMI Rec. POT	NuMI Del. POT	Live Time
21-Oct-2011	1.03E+18	1.05E+18	97.80%
22-Oct-2011	1.37E+18	1.38E+18	99.20%
23-Oct-2011	1.39E+18	1.40E+18	99.10%
24-Oct-2011	1.38E+18	1.39E+18	99.10%
25-Oct-2011	1.17E+18	1.18E+18	98.70%
26-Oct-2011	1.43E+18	1.44E+18	99.00%
27-Oct-2011	1.41E+18	1.42E+18	99.20%
Total	9.17E+18	9.27E+18	98.87%

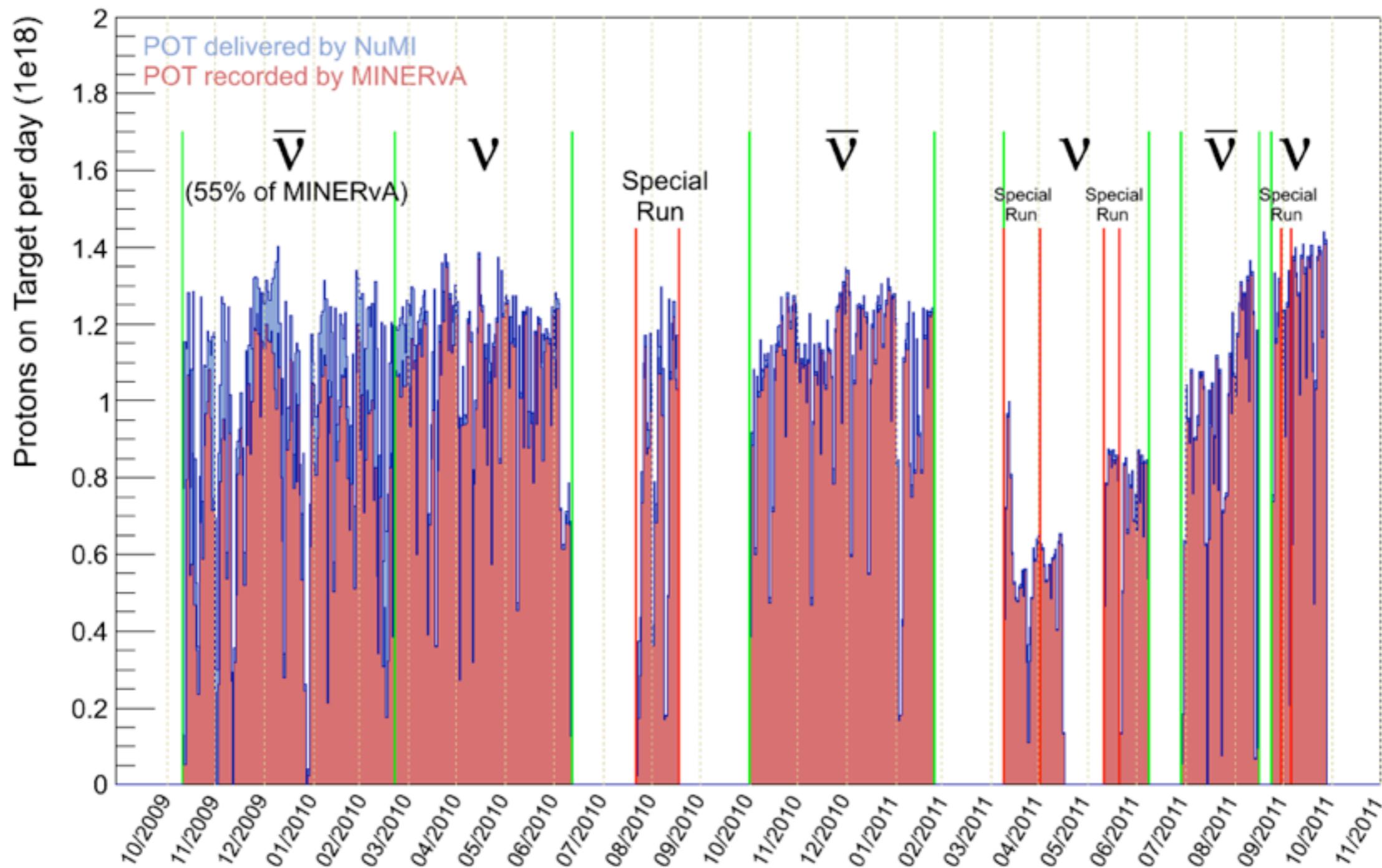


- Best 7 day period: 9.45×10^{19} POT (Oct. 24 - 30).
- Currently running on LE10 FHC 185 kA horn current since Oct. 6 (ν mode).
 - 2.74×10^{19} POT for ν , Oct. 6 - Oct. 27, ν with NT-07.
- 4.05×10^{19} POT with NT-07.
- MINOS ND had an extended downtime (~ 20 h) due to the need to replace a PC underground.
- HV101 tripped about 2 weeks ago, the LCW water supply temperature was lower by 5°F degrees and the magnet has not tripped since then with the cycle time 2.06 s.



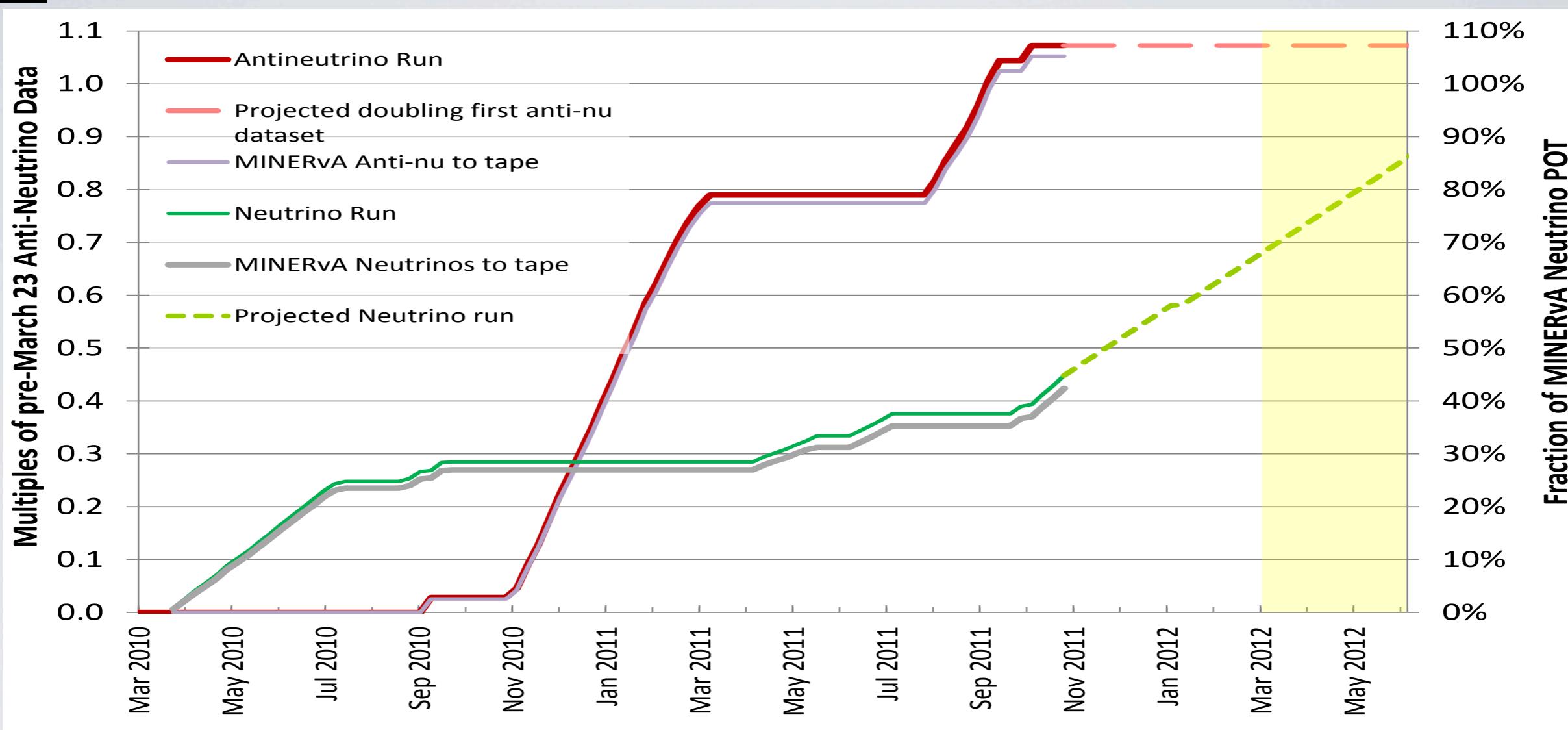
MINERvA POT/Day

Nov. 2009 - Present





Accumulated POT to Oct. 27

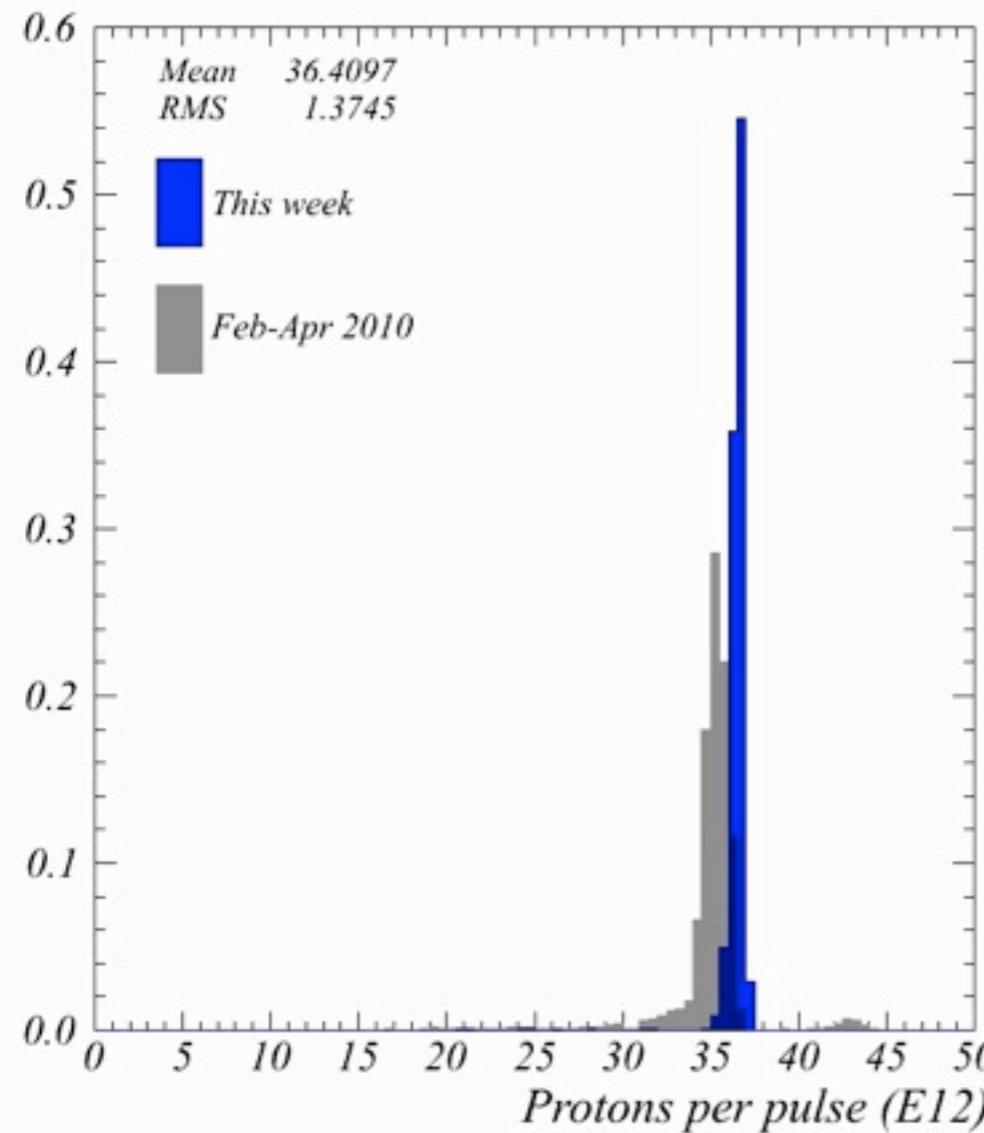


- Anti- ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti- ν before Mar 23 10, official start of MINERvA ν run
- NT02 running gives enough anti- ν data for doubling of the 1st anti- ν data set.
- Minerva run , full scale corresponds to 4.9×10^{20} POT.
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.93×10^{18} POT/day.
 - # POTs – average over the 18 months before the summer 2010, not including scheduled downtimes.
 - Projection considering a cycle time of 2.2 seconds per pulse, and that by going to 2.06 seconds per pulse, that projection would be correspondingly higher but we are choosing not to change it.

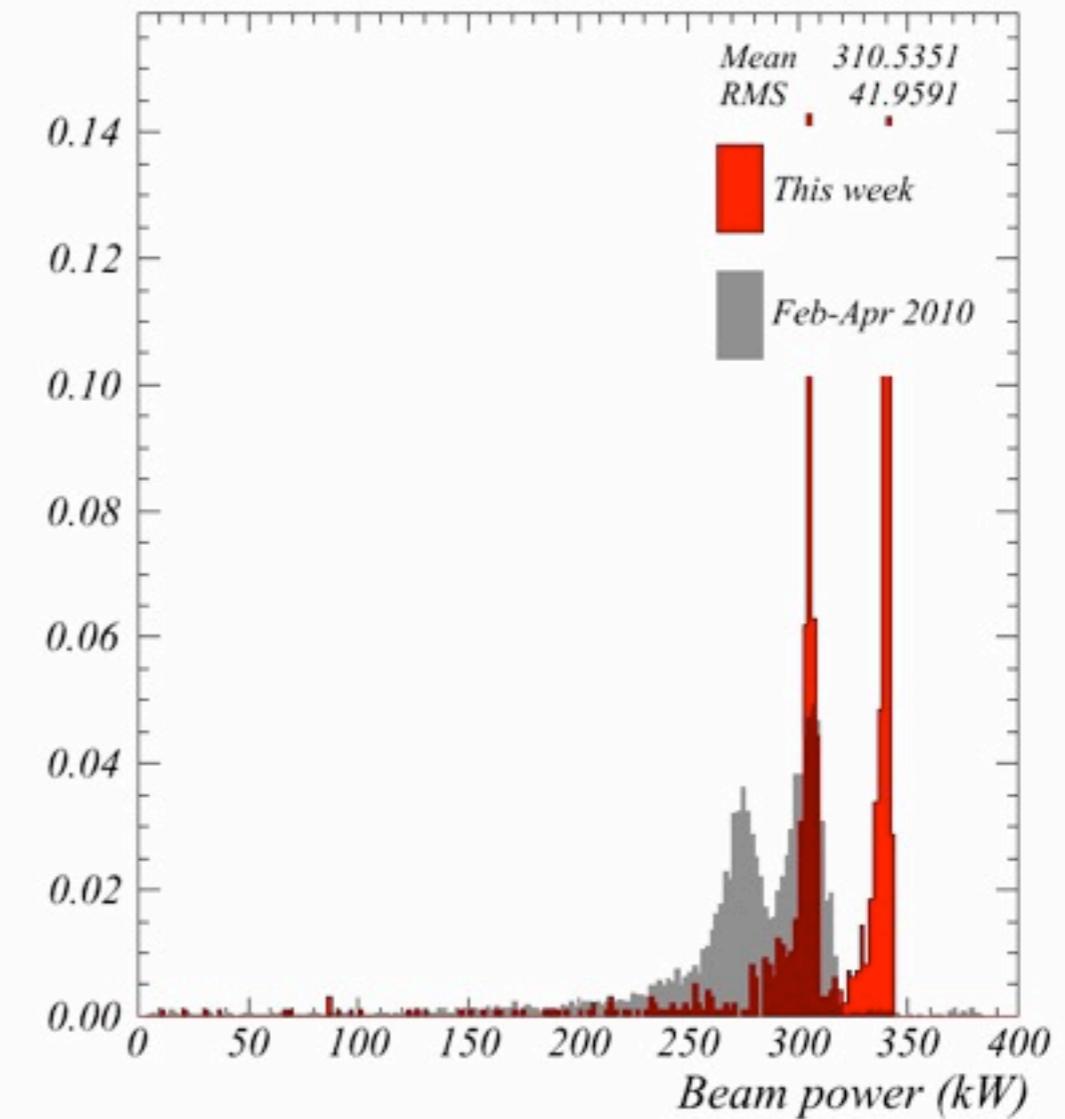


NuMI Beam Plots

Week ending 00:00 Monday 31 October 2011



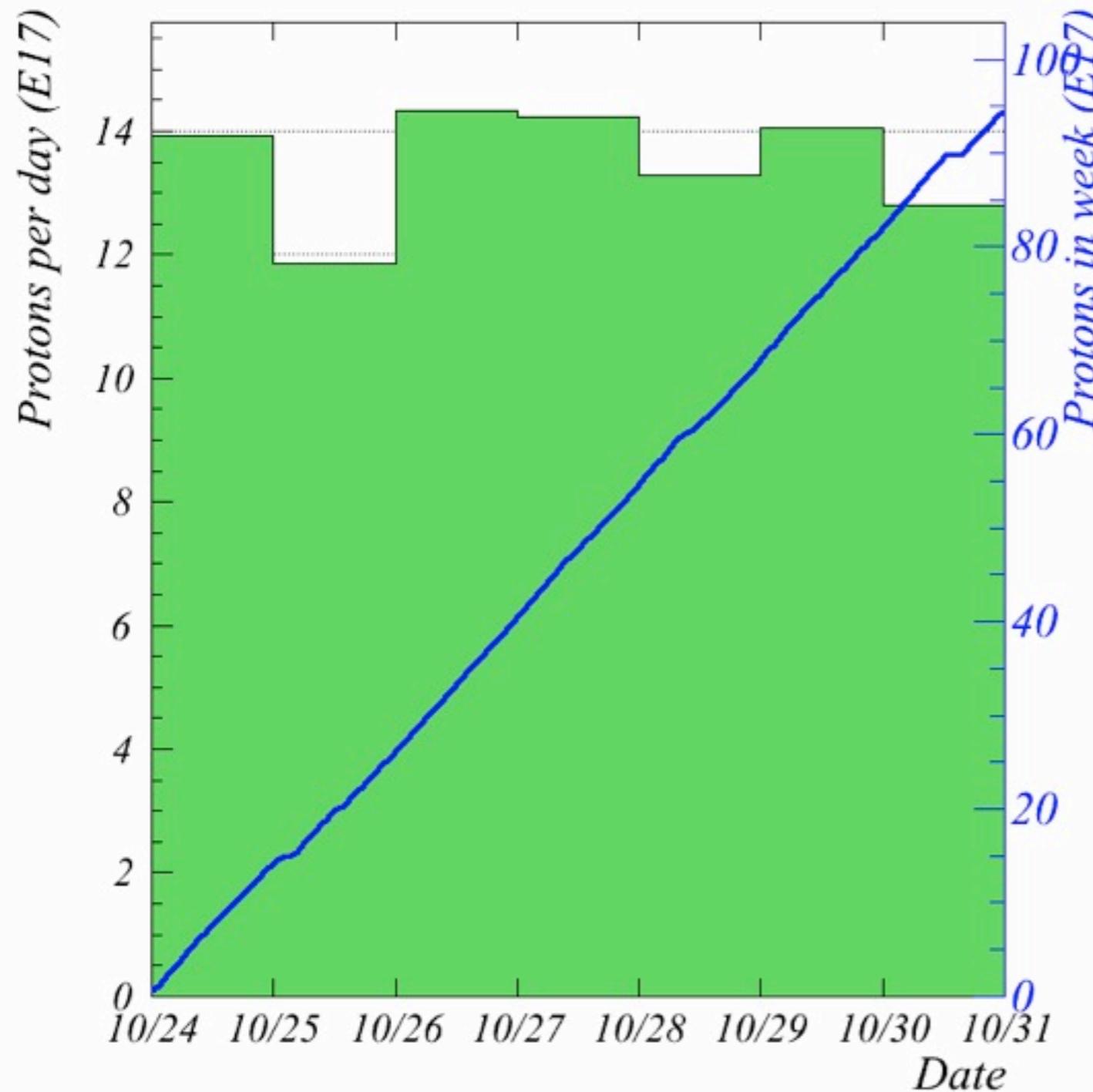
Week ending 00:00 Monday 31 October 2011





Protons for the Week

Week to 00:00 Monday 31 October 2011



Best day:

- 1.44×10^{18} POT (Oct. 26)

2nd best day ever:

- 1.42×10^{18} POT (Oct. 27)

Previous best day:

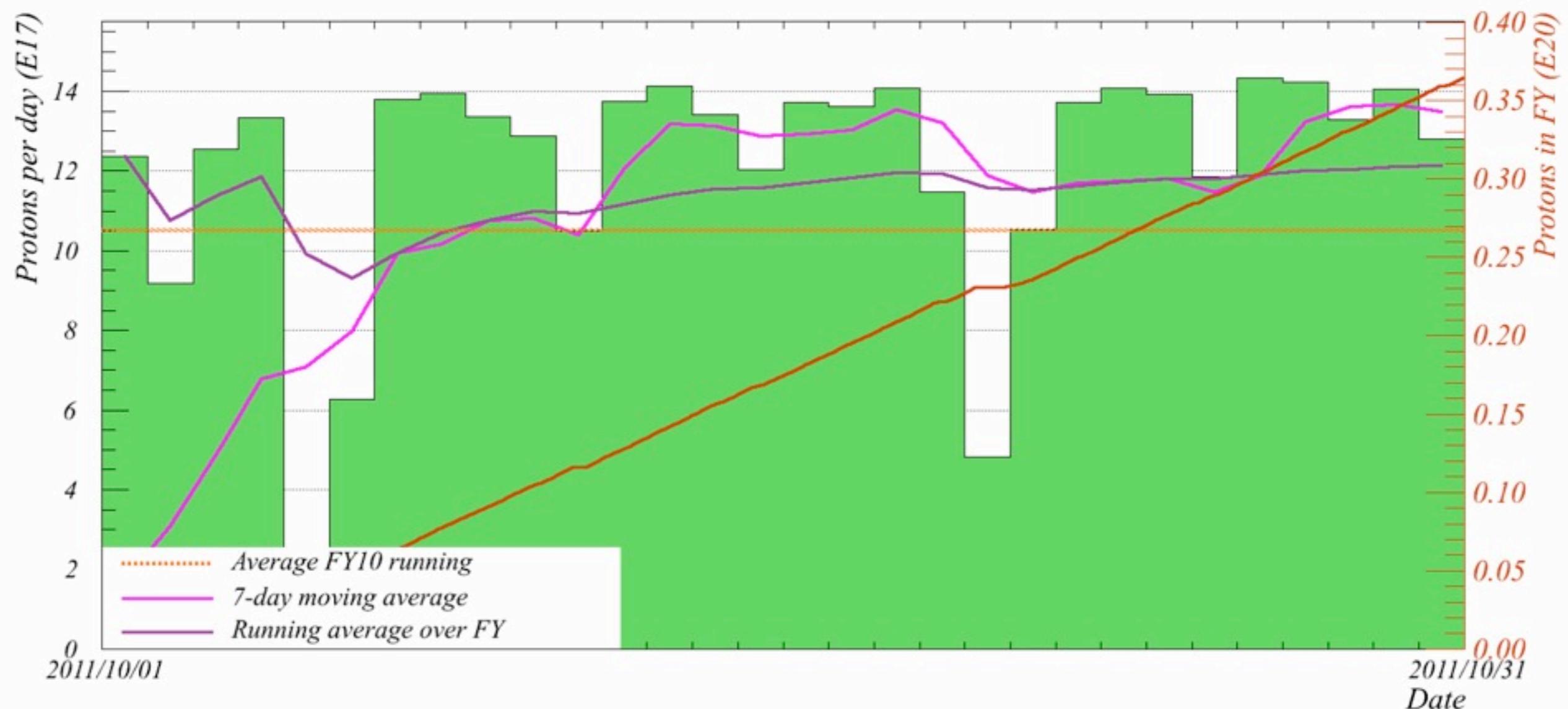
- 1.40×10^{18} POT (Oct. 18)

We thanks Accelerator Division for delivering stable beam at the highest requested intensity.



FY2011 Protons

FY12 NuMI protons to 00:00 Monday 31 October 2011





NuMI Protons over History

